

A 2570 US

Claims

1. A deformation element, in particular for use in motor vehicles, said deformation element comprising a first base part and a second base part, said first
5 base part including at least one protrusion which tapers starting from said first base part, and said second base part including at least one recess which tapers from a front side to a rear side thereof and is associated to said protrusion.
2. The deformation element according to Claim 1, wherein said protrusion has the shape of a truncated cone.
- 10 3. The deformation element according to Claim 1, wherein said protrusion has the shape of a truncated pyramid.
4. The deformation element according to Claim 1, wherein said recess has the shape of a truncated cone.
5. The deformation element according to Claim 1, wherein said recess has
15 the shape of a truncated pyramid.
6. The deformation element according to Claim 1, wherein a side surface of said protrusion and a middle axis of said protrusion include the same angle as a side surface of said recess and a middle axis of said recess.
7. The deformation element according to Claim 1, wherein a side surface of
20 said protrusion and a middle axis of said protrusion include a larger angle as a side surface of said recess and a middle axis of said recess.
8. The deformation element according to Claim 1, wherein an angle between a side surface of said protrusion and a middle axis of said protrusion varies.
9. The deformation element according to Claim 1, wherein an angle between
25 a side surface of said recess and a middle axis of said recess varies.

10. The deformation element according to Claim 1, wherein a cross-section of a front face of said protrusion is smaller than a cross-section of a front surface area of said recess.

5 11. The deformation element according to Claim 1, wherein a cross-section of a front surface area of said protrusion is larger than a cross-section of a front surface area of said recess.

12. The deformation element according to Claim 1, wherein said two base parts are configured like a plate and comprise a plurality of protrusions and recesses, respectively.

10 13. The deformation element according to Claim 1, wherein said second base part is made of a material that is softer than a material of said protrusions.

14. The deformation element according to Claim 13, wherein at least one of said base parts is made of a foamed plastics material.

15 15. The deformation element according to Claim 1, wherein one of said base parts is attached to a car body outer part.

16. The deformation element according to Claim 1, wherein one of said base parts is attached to a lining piece for a vehicle interior space.